



Pavement Assessment Project *Road Tester 3000*



The City of New Orleans, Department of Public Works, recently began a comprehensive assessment of City-owned streets. The **Road Tester 3000** is equipped with lasers, inertial GPS and high-definition digital imagery which can simultaneously collect the pavement profile, rutting and roadway geometrics. The outputs of the assessment are used to determine the pavement surface distress and identifies where all such pavement conditions exist.

Results of the Road Tester 3000 assessment will be used to calculate each roadway's "Pavement Condition Index" score. The City will use the score to help prioritize future infrastructure improvements.

The assessment began in December 2014 and is scheduled to last through spring 2015. During this time, the condition of all New Orleans-owned streets will be assessed.

Questions about the Pavement Assessment may be directed to Cheryn Robles at the Department of Public Works at crobles@nola.gov or 504-658-8046.

Road Tester 3000



- Lasers and accelerometers on the front of the vehicle capture longitudinal profile of the road surface.
- Laser sensors on the rear of the vehicle measure transverse profiles which identify the location of rutting in the roadway.
- 3D pavement images are captured from the rear sensor and post-processed to note the locations of roadway distress.
- All data is tagged with GPS and linear references so the specific location of damaged roadway can be returned to

Pavement Condition Index Scores

Class	Score	Description	Cost
Excellent	100-85	Pavement is in new condition with no maintenance required.	¢
Good	84-70	Pavement is in good condition with a few small, widely spaced cracks.	¢¢
Fair	69-55	Pavement is in fair condition, with some cracking and potholes, and is beginning to show traffic wear, but is still structurally sound. Would require some patching to repair.	\$
Poor	54-40	Pavement is in poor condition, with significant cracking and potholes and some rutting. Would require mill & overlay treatment and full depth patching to repair.	\$\$
Very Poor	39-10	Pavement is in very poor condition, with significant cracking, potholes, and rutting. Would require full reconstruction to reconstruction to repair.	\$\$\$\$
Failure	9-0	Pavement has disintegrated and roadway is impassible. Would require full reconstruction to repair.	\$\$\$\$